an inexpensive simple processor, a program memory, and a marking apparatus under the control of the program memory; said camera comprising:

an imager to capture images;

an image processor with program memory for processing the captured image to produce an initially-processed image;

additional program memory for further processing the initially-processed image to effect [one or more of the following: decompression, color space transformation into color planes that coincide with the process colors of the particular printer, re-sizing, rotation, cropping, spatial filtering,] compensation for the printing process of the printer [, and media parameters]; and

a printer interface for receiving process color and printing process parameters from the printer and for transmitting processed images to the printer.

5.(Amended) A system comprising:

a printer having predetermined process colors and printing process characteristics; and

a digital camera including an imager to capture images, an image processor with program memory for processing the captured image to produce an initially-processed image, and additional program memory for further processing the initially-processed image to effect [one or more of the following: decompression, color space transformation into color planes that coincide with the process colors of the particular printer, re-sizing, rotation, and] compensation for the printing process of the printer.

8.(Amended) A system comprising:

a printer having predetermined process color and printing process parameters, a camera interface, an inexpensive simple processor, a program memory, and a marking apparatus under the control of the program memory; and

a camera having an imager to capture images, an image processor with program memory for processing the captured image to produce an initially-processed image, additional program memory for further processing the initially-processed image to effect [one or more of the following: decompression, color space transformation into color planes that coincide with the process colors of the particular printer, re-sizing, rotation, cropping, spatial filtering,] compensation for the printing process of the printer, and [media parameters and] a printer interface

for receiving process color and printing process parameters from the printer and for transmitting processed images to the printer.

Add the following new claims:

—9. A digital camera for use with a printer having predetermined process colors and printing process characteristics, said camera comprising:

an imager to capture images;

an image processor with program memory for processing the captured image to produce an initially-processed image; and

additional program memory for further processing the initially-processed image to compensate for printing process variations during a printing operation, said printing process variations including one or more of the following: temperature, ink viscosity, and measured density of a printed image.

10. A digital camera for use with a printer having predetermined process colors and printing process characteristics, said camera comprising:

an imager to capture images;

an image processor with program memory for processing the captured image to produce an initially-processed image; and

additional program memory for further processing the initially-processed image to compensate for variations in parameters characteristic of particular media material in use during a printing operation.—

REMARKS

Claims 1-8 stand rejected under 135 USC § 103 over Parulski et al. Taken alone or in combination with Ichikawa. The rejection, as it might apply to the amended claims and to the new claims first submitted herewith, is respectfully traversed for the following reasons:

The invention of the instant application relates to a camera that is adapted to receive printer-specific information from a printer and to process the image data such that the data is in correct format for that specific printer. In this fashion, no processing hardware is required in the printer. Indeed, it is an object of this invention to utilize the processing resources of the camera to do print rendering, so that no such resources need be included in the printer. This will not add to the